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Solar means business at Keylink Industrial Estate

The Adelaide Solar City, integrated property group Goodman and MTU Detroit Diesel Australia, will today unveil the first Adelaide Solar City commercial solar photovoltaic (PV) installation.

The solar installation at Goodman's Keylink Industrial Estate, Edinburgh is the first commercial installation and the sixth large scale installation for the Adelaide Solar City consortium since 2007.

Australia's Minister for Climate Change, Energy Efficiency and Water, Penny Wong, will be on-site at the MTU Detroit Diesel Australia facility to launch the 50-kilowatt solar PV system.

The \$600 000 installation is expected to generate approximately 70,000 kilowatt hours of renewable energy each year channelled through 300 solar panels positioned on top of the diesel engine distributor's warehouse facility[^].

It is expected to reduce MTU Detroit Diesel Australia's greenhouse gas emissions by 70 tonnes each year^{*}. This is equivalent to the amount of electricity needed to power a television for 880 years[#].

The innovative installation was designed by Adelaide Solar City consortium member BP Solar, who also project managed the installation, and is a successful example of different levels of government working together with local business to affect sustainable change.

Adelaide Solar City Program Manager Dario De Bortoli of Origin said the installation will lead the way for other businesses to switch to solar power.

"This is a milestone for Adelaide Solar City and for the community," he said.

"This is far from a static installation. People don't have to just read about it, they are invited to come and see it working for themselves."

School groups and local community groups are invited to arrange a visit to the installation where they can access a rooftop viewing platform to see the solar panels.

Goodman Group and MTU Detroit Diesel Australia have also developed an education pack for local school students. The pack contains fact sheets and activities targeted at junior primary, primary and secondary students. A dedicated project website is also available with live solar updates on energy output and emission reductions, and information about the project. www.keylinksolar.com.au

Goodman Group General Manager Australia Jason Little said:

"We are pleased to be involved in such a significant project that showcases solar technology in an industrial business setting. The project website and educational material allow us to generate greater community awareness by demonstrating the application, technical aspects and benefits of solar power at an industry level".

This installation builds on the already extensive portfolio of ASC projects. These include installations at the Watershed Sustainability Centre, the Adelaide Central Bus Station, the U-Park building to power the Rundle Lantern, the Golden Grove Recreation and Arts Centre, and the Aquadome at Elizabeth. Adelaide is one of several regions in Australia specially chosen for the Australian Government's \$94 million Solar Cities trial.

The six-member Adelaide Solar City consortium, led by Origin, includes ANZ, Big Switch Projects, BP Solar, Delfin Lend Lease, and the City of Salisbury in association with the Cities of Playford and Tea Tree Gully and Adelaide City Council.

[^]Rated power output for a 1 kw solar PV system in Adelaide is 1.382 kwh's according to the Office of Renewable Energy Regulator. [#]Based on a television with an instantaneous power demand of 236.84W. ^{*}For every megawatt hour of grid electricity used in South Australia, approximately 0.98 tonnes of carbon dioxide equivalent is released into the atmosphere. Source: Department of Climate Change, National Greenhouse Accounts Factors Workbook June 2009. Details correct at the time of printing (June 2010).

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